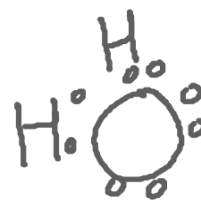
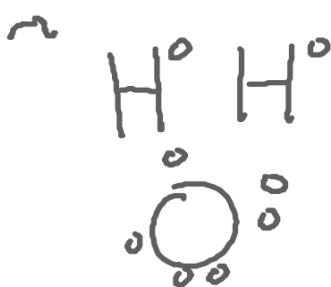


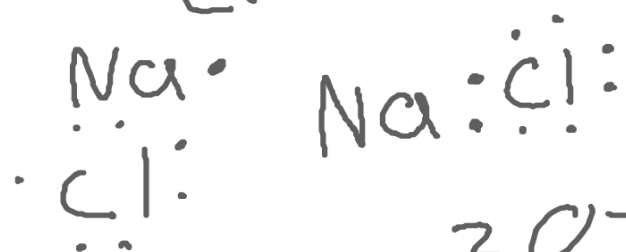
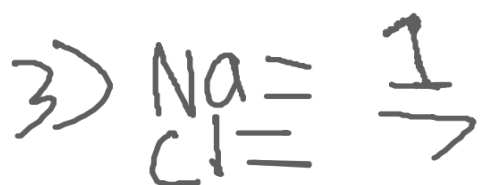
2)  $H_2O$

$\sim H=1$   
 $O=6$

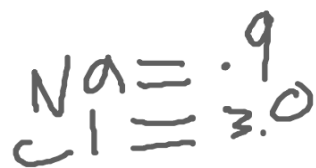


$$\begin{aligned} \sim H &= 2.1 \\ O &= 3.5 \\ &= 3.5 - 2.1 \\ &= 1.4 \\ &\text{end} = 1.4 \end{aligned}$$

= polar covalent



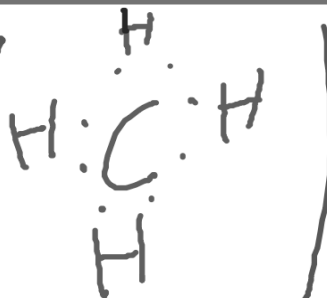
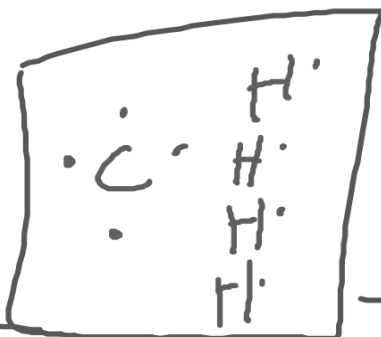
$$3.0 - .9 = 2.1$$



# Ionic

4) CH<sub>4</sub>

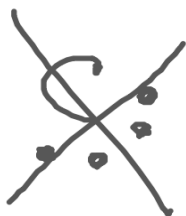
C=4  
H=1

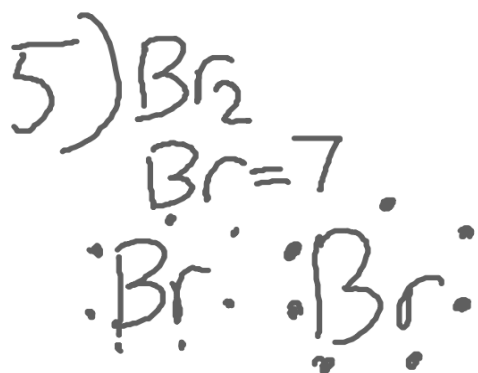


C=2.5  
H=2.1

2.5  
- 2.1  
-----  
.4

Polar  
Covalent





$$\text{Br} = 2.8$$

$$\text{Br} = 2.8$$

$$= 2.8 - 2.8$$

$\boxed{\text{end} = 0}$  non-polar  
 Covalent

6)

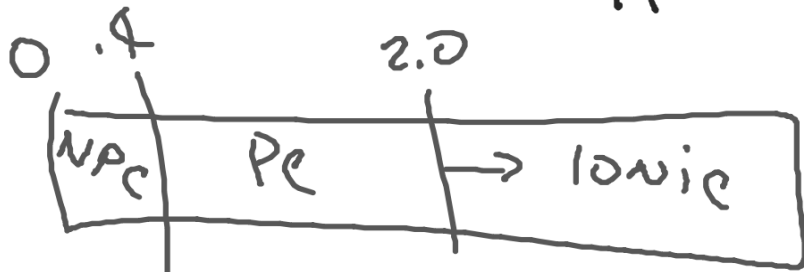
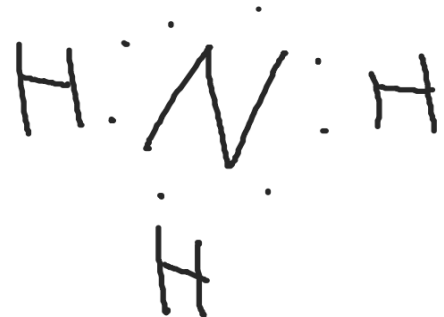


$$N = 3.0$$

$$H = 2.1$$

$$\text{end } \text{E.N.D.} = 0.9$$

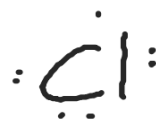
Polar  
covalent





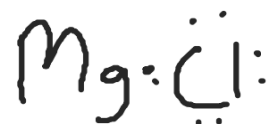
$$\text{Mg} = 2$$

$$\text{Cl} = 7$$



$$\text{Mg} = 1.2$$

$$\text{Cl} = 3.0$$



$$3.0 - 1.2$$

Polar

$$\text{end} = 1.8$$

Covalent

8

KF

$$\begin{array}{l} K=1 \\ F=7 \end{array}$$

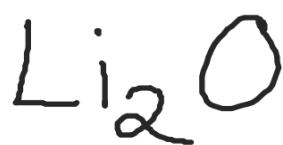


$$\begin{array}{l} K=.8 \\ F=4.0 \end{array}$$

$$\begin{array}{r} 4.0 \\ - .8 \\ \hline 3.2 \end{array}$$

Ionic

⑨

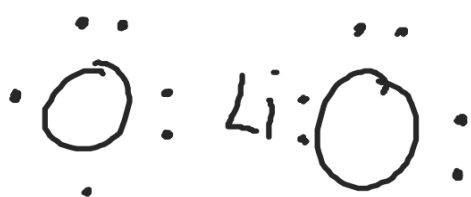


$\text{Li} = 1.0$

$\text{O} = 3.5$



$\text{end} = 3.5 - 1.0$



$\text{end} = 2.5$

$\text{Li}$  Ionic



10



$$C = 2.5$$

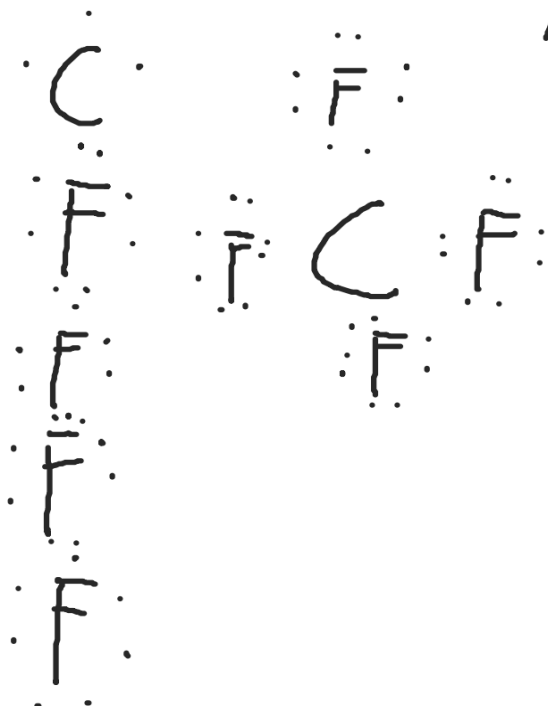
$$F = 4.0$$

$4.0 \cdot 2.5$

1.5

# Polar

## Covalent



	val e <sup>-</sup>	indiv Lewis DOT	comb Lewis DOT	en	end	type
I <sub>2</sub>	I = 7	$\begin{array}{c} \cdot \text{I} \cdot \\ \cdot \text{I} \cdot \end{array}$	$\begin{array}{c} \cdot \text{I} \cdot \\ \cdot \text{I} \cdot \end{array}$	2.5	$\begin{array}{r} 2.5 \\ - 2.5 \\ \hline 0 \end{array}$	<del>IONIC</del> NPC
K <sub>2</sub> O	K = 1 O = 6	$\begin{array}{c} \text{K} \cdot \quad \cdot \text{K} \cdot \\ \cdot \text{O} \cdot \end{array}$	$\begin{array}{c} \text{K} \cdot \text{O} \cdot \\ \cdot \text{K} \cdot \end{array}$	K = 0.8 O = 3.5	$\begin{array}{r} 3.5 \\ - 0.8 \\ \hline 2.7 \end{array}$	IONIC
H <sub>2</sub> S	H = 1 S = 6	$\begin{array}{c} \cdot \text{S} \cdot \\ \text{H} \cdot \quad \cdot \text{H} \cdot \end{array}$	$\begin{array}{c} \text{H} \cdot \text{S} \cdot \\ \cdot \text{S} \cdot \end{array}$	H = 2.1 S = 2.5	$\begin{array}{r} 2.5 \\ - 2.5 \\ \hline 0 \end{array}$	<del>NPC</del> PC
RbI	Rb = 1 I = 7	$\begin{array}{c} \text{Rb} \cdot \\ \cdot \text{I} \cdot \end{array}$	$\begin{array}{c} \text{Rb} \cdot \\ \cdot \text{I} \cdot \end{array}$	Rb = 0.8 I = 2.5	$\begin{array}{r} 2.5 \\ - 0.8 \\ \hline 1.7 \end{array}$	PC